

SECTION 00002
PROFESSIONAL IN RESPONSIBLE CHARGE

The following licensed professionals are responsible for the various portions of the project manual by which their seal is affixed, in accordance with Section 00001, Specification Revision Matrix, Rev. 81.

DIVISION 2: SITE WORK

| | |
|-------|---------------------------------------|
| 02220 | Structure Excavation |
| 02222 | Excavation for Utilities |
| 02261 | Finish Grading |
| 02736 | Grinder Sewage Pump Station |
| 02432 | Storm Sewer Manholes and Inlets |
| 02528 | Concrete Pavement, Curbs, and Gutters |
| 02600 | Manholes |
| 02721 | Storm Sewers |

Benjamin C. Nemec, P.E.

DIVISION 2: SITE WORK

02870 Site Furnishings
02938 Sodding
02950 Trees, Shrubs and Groundcover

Jeffrey G. Pfeifer, ASLA

DIVISION 3: CONCRETE

03300 Cast-In-Place Concrete

DIVISION 5: METALS

05120 Structural Steel
05210 Steel Joist Girders
05310 Steel Deck

John Busch, P.E.

DIVISION 3: CONCRETE

- 03312 Polished Concrete Floor
- 03331 Architectural Cast-In-Place Concrete
- 03490 Glass-Fiber-Reinforced Precast Concrete

DIVISION 5: METALS

- 05500 Metal Fabrications
- 05511 Metal Stairs
- 05521 Pipe & Tube Railings
- 05530 Gratings
- 05715 Fabricated Spiral Stairs
- 05720 Ornamental Handrails and Railings
- 05811 Architectural Joint Systems

DIVISION 6: WOOD AND PLASTICS

- 06105 Miscellaneous Carpentry
- 06402 Interior Architectural Woodwork
- 06610 Glass fiber Reinforced Plastic Grating

DIVISION 7: THERMAL AND MOISTURE PROTECTION

- 07131 Self-Adhering Sheet Waterproofing
- 07160 Bituminous Damproofing
- 07180 Traffic Coatings
- 07190 Water Repellents
- 07210 Building Insulation
- 07241 EIFS – Class PB
- 07412 Manufactured Wall Panels
- 07423 Prefabricated Roof Panels
- 07511 Built-Up Asphalt Roofing
- 07512 Protected Built-Up Asphalt Roofing
- 07620 Sheet Metal Flashing and Trim
- 07710 Manufactured Roof Specialties
- 07716 Roof Expansion Assemblies
- 07720 Roof Accessories
- 07811 Sprayed Fire-Resistive Materials
- 07812 Intumescent Thin Film Fire Proofing
- 07841 Through-Penetration Firestop System
- 07842 Perimeter Fire Containment Systems
- 07843 Fire Resistive Joint System
- 07920 Joint Sealants

Robert L. Barnes, A.I.A.

DIVISION 8: DOORS AND WINDOWS

| | |
|-------|------------------------------------|
| 08110 | Steel Doors & Frames |
| 08125 | Interior Aluminum Frames |
| 08211 | Flush Wood Doors |
| 08300 | Automatic Cleanroom Door |
| 08311 | Access Doors |
| 08331 | Overhead Coiling Doors |
| 08410 | Aluminum Entrances and Storefronts |
| 08630 | Metal-Framed Skylights |
| 08711 | Door Hardware |
| 08800 | Glazing |
| 08814 | Mirrored Glass |
| 08900 | Exterior Wall Systems – General |
| 08920 | Glazed Aluminum Curtain Walls |

DIVISION 9: FINISHES

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|-------|--------------------------------------|
| 09220 | Portland Cement Plaster |
| 09253 | Sheathing |
| 09260 | Gypsum Board Assemblies |
| 09265 | Gypsum Board Shaft-Wall Assemblies |
| 09271 | Glass-Reinforced Gypsum Fabrications |
| 09310 | Ceramic Tile |
| 09511 | Acoustical Panel Ceilings |
| 09650 | Resilient Flooring |
| 09651 | Resilient Tile Flooring |
| 09652 | Sheet Vinyl Floor Coverings |
| 09653 | Resilient Wall Base and Accessories |
| 09658 | Chemical Resistant Sheet Vinyl Tile |
| 09680 | Carpet |
| 09841 | Acoustical Wall Panels (Alternate) |
| 09900 | Painting |
| 09960 | High – Performance Coatings |
| 09962 | Chemical Resistant Coatings |

DIVISION 10: SPECIALTIES

| | |
|-------|----------------------------------|
| 10100 | Visual Display Boards |
| 10155 | Toilet Compartments |
| 10200 | Louvers |
| 10265 | Impact-Resistant Wall Protection |
| 10520 | Fire-Protection Specialties |
| 10801 | Toilet and Bath Accessories |

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DIVISION 11: EQUIPMENT

11010 Roof Tie-Backs
11132 Projection Screens
11160 Loading Dock Equipment
11451 Residential Appliances
11610 Laboratory Fume Hoods

DIVISION 12: FURNISHINGS

12347 Metal Laboratory Casework
12484 Floor Mats and Frames
12494 Roller Shades – Alternate
12511 Horizontal Louver Blinds

DIVISION 13: SPECIAL CONSTRUCTION

13019 Ceiling Grid Support
13020 Gasketed Cleanroom Ceiling System
13036 Cleanroom Wall Systems
13070 Cleanroom Pass-Through

DIVISION 14: CONVEYING SYSTEMS

14240 Hydraulic Elevators

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DIVISION 15: MECHANICAL

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| 15050 | Piping Systems |
| 15052 | Brazing |
| 15055 | Motors |
| 15072 | Cleaning |
| 15073 | Pressure/Leak Testing |
| 15074 | Identification and Labeling |
| 15075 | Disinfection |
| 15100 | Valves |
| 15103 | Sanitary Water Hot (SWH) and Cold (SWC) |
| 15106 | Chilled Water, Condenser Water, Cooling Tower Water, Heating Hot Water, Condensate and Process Water Piping, including Hydronic Specialties |
| 15109 | Sanitary Sewer and Storm Drains Within Buildings |
| 15110 | Process Waste Drains Outside Buildings |
| 15111 | Acid Neutralization and Process Waste Drain Systems |
| 15112 | Compressed Air Piping (Plant Air) Systems |
| 15185 | Hydronic Pumps |
| 15189 | Chemical Treatment |
| 15250 | Mechanical Insulation |
| 15300 | Fire Suppression Systems |
| 15440 | Plumbing Fixtures |
| 15455 | Helium/Nitrogen System Tubing & Components |
| 15456 | Vacuum System Tubing & Components |
| 15465 | Compressed Air Equipment and Systems |
| 15501 | Heating, Ventilation, and Air Conditioning Systems, Installation & Equipment |
| 15502 | Make-Up Air Handling Units – Cleanroom |
| 15503 | Recirculation Air Handling Units - Cleanroom |
| 15512 | Heating Hot Water Boilers |
| 15545 | High Purity Deionized Water |
| 15755 | Scrubbed Exhaust Systems |
| 15820 | Duct Accessories |
| 15842 | Centrifugal Process Exhaust Fans |
| 15845 | Air Terminals |
| 15855 | Diffusers, Registers, and Grilles |
| 15884 | Coated Stainless Steel Ductwork |
| 15885 | High Efficiency Particulate Air (HEPA) Filters |
| 15886 | HEPA filter Bag-In / Bag-Out Housing |
| 15887 | HVAC Air Filters and Components |
| 15891 | Ductwork |
| 15930 | Fan Powered HEPA Filter Units |
| 15950 | Direct Digital Control System |
| 15960 | Laboratory Airflow Control System |
| 15990 | Testing, Adjusting and Balancing |

Bruce W. Johnson, P.E.

DIVISION 18: WELDING

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| 18100 | General Welding Requirements |
| 18350 | Pipe Welding Procedures Specifications |

Bruce W. Johnson, P.E.

DIVISION 16: ELECTRICAL

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| 16050 | Basic Materials and Methods |
| 16111 | Conduit and Fittings |
| 16117 | Manholes |
| 16118 | Underground Conduit Duct Bank |
| 16120 | Building Wire & Cable 600 V and Below |
| 16121 | Medium Voltage Cable – 5kV Insulated and 15kV Insulated |
| 16124 | Splices and Terminations – Medium Voltage Cables |
| 16127 | Splices and Terminations – 600V and Below |
| 16129 | Fiber Optic Cable & Accessories |
| 16131 | Boxes |
| 16139 | Cable Trays |
| 16140 | Wiring Devices |
| 16145 | Lighting Control Devices |
| 16160 | Panelboards |
| 16170 | Transient Voltage Surge Suppression (TVSS) |
| 16191 | Supporting Devices |
| 16196 | Electrical Identification |
| 16231 | Packaged Engine Generator |
| 16240 | Motor Generator 60 Hertz (Hz) Power Conditioner |
| 16264 | Static Uninterruptible Power Supply |
| 16361 | Secondary Unit Substations Installation |
| 16415 | Automatic Transfer Switch |
| 16441 | Disconnect Switches |
| 16450 | Grounding |
| 16460 | Dry Type Transformers |
| 16476 | Enclosed Circuit Breakers |
| 16481 | Motor Control Centers Installation |
| 16483 | Motor Control |
| 16484 | Variable Frequency Drives |
| 16485 | Contactors |
| 16511 | Fluorescent Luminaries |
| 16512 | High Intensity Discharge Lighting |
| 16518 | Exit Lighting Equipment |
| 16670 | Lightning Protection |
| 16700 | Control / Signal Transmission Media |
| 16715 | Premises Telephone Wiring |
| 16720 | Data/Communications System |
| 16726 | Public Address |
| 16730 | Fire Alarm Specification, Local Building Devices |
| 16735 | Site Fire Detection and Alarm System |
| 16960 | Electrical Testing |

Victor G. Steffen, P.E.

END OF SECTION 00002